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Raina MacIntyre (MBBS Hons 1, M App Epid, PhD, FRACP, FAFPHM) is Professor of Global Biosecurity, NHMRC Principal Research Fellow and Head of the Biosecurity Program at the Kirby Institute, UNSW, Australia. She leads a research program in control and prevention of infectious diseases, spanning vaccinology, pandemics, bioterrorism and emerging infections, and personal protective equipment. She has led a large body of clinical trial, modelling and experimental research on face masks and respirators for prevention of infection. Her area of vaccine expertise is vaccination of older adults and immunosuppressed people, as well as the role of influenza and other infections on triggering cardiovascular events, and how these can be prevented by vaccines. She is interested in surveillance for epidemics and biothreats, and developed an automated, open source rapid epidemic observatory, Epiwatch, to detect early signals of serious epidemic or bioterrorism events. She has over 400 peer reviewed publications. She has received many awards including the Sir Henry Wellcome Medal and Prize from the Association of Military Surgeons of the US, the Public Health Association of Australia's National Immunisation Award (for her research on adult vaccination), and the Frank Fenner Award for Research in Infectious Diseases. She is on the editorial boards of Vaccine, BMJ Open and Epidemiology & Infection.